

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit:

Examiner:

Unknown

1711 #301-10/13/04

re application of:

ROY C. KROHN

Serial No.: 10/089,960

Filed:

April 4, 2002

For:

UV CURABLE COMPOSITIONS FOR PRODUCING

ELECTROLUMINESCENT COATINGS

Attorney Docket No.: KRO 0105 PUSA

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents United States Patent and Trademark Office Washington, D.C. 20231

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and § 1.97-1.98, the references listed and identified on the attached Form PTO/SB08A and Form PTO/SB08B are being submitted herewith for consideration by the Examiner.

While this Statement is being filed in compliance with the duty of disclosure, citation of the attached references is not to be construed as an admission that any of the reference(s) are "material" as defined under 37 C.F.R. § 1.56(b).

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this paper, including all enclosures referred to herein, is being deposited with the United States Postal Service as first-class mail, postage pre-paid, in an envelope addressed to: Commissioner for Patents, United States Patent and Trademark Office, Washington, D.C. 20231 on:

Date of Deposit

James W. Proscia
Name of Person Signing

Signature

A copy of each reference listed on the attached Forms PTO/SB08A and Form PTO/SB08B is included herewith. Consideration and entry into the record of these references is respectfully requested.

Respectfully submitted,

ROY C. KROHN

James W. Proscia

Reg. No. 47,010

Attorney/Agent for Applicant

Date: 10/15/0 >

BROOKS & KUSHMAN P.C.

1000 Town Center, 22nd Floor Southfield, MI 48075

Phone: 248-358-4400 Fax: 248-358-3351

PTO/SB/08A (10-96) [MODIFIED]
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paper Reduction Act 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449APTO				Complete if Known		
INFOR	NA A TION	, DICC		Application Number	10/089,960	
			LOSURE	Filing Date	April 4, 2002	
SIAIL) T API	PLICANT	First Named Inventor	Roy C. Krohn	
				Group Art Unit	Unknown	
(use as many sh	eets as ned	cessary)	Examiner Name	Unknown	
Sheet	1	of	7	Attorney Docket Number	KRO 0105 PUSA	

				U.S. PATENT DO	CUMENTS	
Examiner Initials	Cite No.1	U.S. PATENT D	OCUMENT Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		3,700,754		Schmitt et al.	10/24/1972	
<u> </u>		3,953,643		Cheung et al.	04/27/1976	
		3,968,056		Bolon et al.	07/06/1976	
		3,988,647		Bolon et al.	10/26/1976	
		4,049,844		Bolon et al.	09/20/1977	2 0
		4,088,801		Bolon et al.	05/09/1978	F 9 M
	4,113,894		Koch, II	09/12/1978	2 2 3	
		4,187,340		Oishi et al.	02/05/1980	0 10
		4,188,449		Lu et al.	02/12/1980	= 1
		RE30,274		Bolon et al.	05/13/1980	
		4,256,591		Yamamoto et al.	03/17/1981	
		4,271,212		Stengle	06/02/1981	
		4,338,376		Kritzler	07/06/1982	3.
		4,391,858		Batzill	07/05/1983	
		RE31,411		Bolon et al.	10/11/1983	
	4,420,500		Nakatani et al.	12/13/1983		
			Olson	03/27/1984		
		4,455,205		Olson et al.	06/19/1984	
		4,478,876		Chung	10/23/1984	
		4,479,860		Hayase et al.	10/30/1984	

			F	OREIGN	PATENT DOCUMENT	S		$\neg \neg$
ŀ			Foreign Patent Docun	nent		Data of Bullium	Pages, Columns, Lines, Where	П
Examiner Initials	Cite No.1	Offic	e ³ Number ⁴	Kind Code⁵ (<i>if known</i>)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Relevant Passages or Relevant Figures Appear	
		GB	1 550 382 .		Rohm & Haas Co.	08/15/1979		
		EP	0 081 323 A1.		Johnson Matthey PLC	06/15/1983		\Box
		EP	0 530 141 A1.		Ciba-Geigy AG	03/03/1993		
		EP	0 567 940 A1•		Glunz AG	11/03/1993		
		EP	0 711 801 A2.		Dow Corning Corp.	05/15/1996		\Box
		WO	97/31051 ·		Dymax Corporation	08/28/1997		
		WO	97/45458 ·		UV Coatings Limited	12/04/1997		\neg
		EP	0 820 217 A1.		EI Du Pont De Nemours	01/21/1998		\neg
		WO	98/47954 .		DSM N.V.	10/29/1998		\neg

	T		
Examiner		Date	
Signature	1		
Cignatare	<u> </u>	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁹ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-96) [MODIFIED]

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Markitute for Form 1449A/PTO

2

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

	Complete if Known
Application Number	10/089,960
Filing Date	April 4, 2002
First Named Inventor	Roy C. Krohn
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	KRO 0105 PUSA

				U.S. PATENT DOCI	UMENTS	
Examiner Initials	Cite No.1	U.S. PATENT D	OCUMENT Kind Code ² (<i>if known</i>)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,495,042		Hayase et al.	01/22/1985	9 11-
		4,496,475		Abrams	01/29/1985	
		4,513,023		Wary	04/23/1985	
		4,533,445		Orio	08/16/1985	
		4,539,258		Panush	09/03/1985	
		4,547,410		Panush et al.	10/15/1985	6
		4,551,361		Burzynski et al.	11/05/1985	7 6, 0
		4,557,975		Moore	12/10/1985	5 6 17
		4,594,315		Shibue et al.	06/10/1986	. 2
		4,640,981		Dery et al.	02/03/1987	
		4,665,342		Topp et al.	05/12/1987	
		4,666,821		Hein et al.	05/19/1987	2
		4,684,353		deSouza	08/04/1987	G.
		4,738,899		Bluestein et al.	04/19/1988	
		4,788,108		Saunders, Jr et al.	11/29/1988	
		4,806,257		Clark et al.	02/21/1989	
		4,814,208		Miyazaki et al.	03/21/1989	
		4,816,717		Harper et al.	03/28/1989	
		4,822,646		Clark et al.	04/18/1989	
		4,828,758		Gillberg-Laforce etal	05/09/1989	

	FOREIGN PATENT DOCUMENTS											
Examiner Initials	Cite No.1	Offic	Foreign Patent Documes 3 Number 4	nent Kind Code ⁵ (<i>if known</i>)		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear					
		WO	98/50317 .		DSM N.V.	11/12/1998						
		DE	198 35 917 A1·		BASF AG	02/10/2000						
		WO	00/62586 .	_	Allied Photochemical	10/19/2000						
				_				$\overline{}$				

Examiner	Date
Cinneture	Date
Signature	Considered
*EVANINED Initial if	Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-96) [MODIFIED]
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

he Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known ostitute for Form 1449A/PTO **Application Number** 10/089,960 INFORMATION DISCLOSURE Filing Date April 4, 2002 STATEMENT BY APPLICANT First Named Inventor Roy C. Krohn Group Art Unit Unknown (use as many sheets as necessary) Examiner Name Unknown 7 3 Attorney Docket Number KRO 0105 PUSA Sheet of

	U.S. PATENT DOCUMENTS									
Examiner Cite		U.S. PATENT D	OCUMENT Kind Code ² (<i>if known</i>)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
		4,900,763		Kraushaar	02/13/1990					
		4,911,796		Reed	03/27/1990					
		4,959,178		Frentzel et al.	09/25/1990					
		4,960,614		Durand	10/02/1990	R				
		4,964,948		Reed	10/23/1990	2 0 7				
		4,975,471		Hayase et al.	12/04/1990					
		5,006,397 Durand 04/09		04/09/1991	70.00					
		5,049,480 Nebe et al. (09/17/1991						
		5,068,714 Seipler 11/26/1		11/26/1991						
		5,076,963 Kameyama et al.		12/31/1991	-					
		5,100,848		Enomoto et al.	03/31/1992	نار				
		5,104,929		Bilkadi	04/14/1992					
		5,116,639		Kolk et al.	05/26/1992					
		5,128,387		Shustack	07/07/1992					
		5,128,391		Shustack	07/07/1992					
		5,149,971		McElhaney et al.	09/22/1992					
		5,180,523		Durand et al.	01/19/1993					
		5,180,757		Lucey	01/19/1993					
		5,183,831		Bielat et al.	02/02/1993					
		5,221,560		Perkins et al.	06/22/1993					

	FOREIGN PATENT DOCUMENTS												
Examiner Initials	Cite No.1	Office ³	Foreign Patent Doo	cument Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear						
							3						
													
-													

ı	Examiner	Date	
	Signature	Considered	į į

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-96) [MODIFIED]
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for F	Form 1449A/PTO				Complete if Known
				Application Number	10/089,960
	MATION D			Filing Date	April 4, 2002
SIAIE	MENT BY	AP	PLICANT	First Named Inventor	Roy C. Krohn
				Group Art Unit	Unknown
(use as many sheets as necessary)				Examiner Name	Unknown
Sheet	4	of	7	Attorney Docket Number	KRO 0105 PUSA

	U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.1	U.S. PATENT I	DOCUMENT Kind Code ² (<i>if known</i>)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		5,225,170		Kolk et al.	07/06/1993			
		5,282,985		Zabinski et al.	02/01/1994			
		5,296,295		Perkins et al.	03/22/1994			
		5,326,636		Durand et al.	07/05/1994			
		5,356,545		Wayte	10/18/1994	ad		
		5,384,160		Frazzitta	01/24/1995	20 70		
		5,395,876		Frentzel et al.	03/07/1995	- 8 T		
		5,424,182		Marginean, Sr. et al	06/13/1995			
		5,453,451		Sokol	09/26/1995	- 10		
		5,454,892		Kardon et al.	10/03/1995	: [7]		
		5,462,701		Hagemeyer et al.	10/31/1995			
		5,470,643		Dorfman	11/28/1995			
		5,470,897		Meixner et al.	11/28/1995	우		
		5,514,214		Joel et al.	05/07/1996			
		5,523,143		Hagemeyer et al.	06/04/1996			
		5,556,527		Igarashi et al.	09/17/1996			
		5,561,730		Lochkovic et al.	10/01/1996			
		5,565,126		Kimura et al.	10/15/1996			
		5,587,433		Boeckeler	12/24/1996			
		5,596,024		Horie et al.	01/21/1997	_		

	FOREIGN PATENT DOCUMENTS									
			Foreign Patent Do	cument		Date of Publication	Pages, Columns, Lines, Where Relevant			
Examiner In <u>i</u> tials	Cite No.1	Office ³	Number 4	Kind Code ⁵ (<i>if known</i>)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear			
ļ										
						-		_		
								\dashv		
		-						\dashv		
1. 1		1		} }	_					

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁹ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-96) [MODIFIED]
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Unknown

KRO 0105 PUSA

he Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known bstitute for Form 1449A/PTO **Application Number** 10/089,960 INFORMATION DISCLOSURE Filing Date April 4, 2002 STATEMENT BY APPLICANT First Named Inventor Roy C. Krohn Group Art Unit Unknown

Examiner Name

Attorney Docket Number

7

(use as many sheets as necessary)

of

5

Sheet

	U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.1	U.S. PATENT D	OCUMENT Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		5,609,918		Yamaguchi et al.	03/11/1997			
		5,624,486		Schmid et al.	04/29/1997			
		5,633,037		Mayer	05/27/1997			
		5,686,792		Ensign, Jr.	11/11/1997			
		5,698,310		Nakamura et al.	12/16/1997	上 6 召		
		5,716,551		Unruh et al.	02/10/1998			
		5,718,950		Komatsu et al.	02/17/1998	C N H		
		5,747,115		Howell et al.	05/05/1998	: 10		
		5,750,186		Frazzitta	05/12/1998	22 10		
		5,773,487		Sokol	06/30/1998			
		5,784,197		Frey et al.	07/21/1998	<u>C:</u>		
		5,787,218		Ohtaka et al.	07/28/1998			
		5,837,745		Safta et al.	11/17/1998	1.		
		5,866,628		Likavec et al.	02/02/1999			
		5,871,827		Jaffe et al.	02/16/1999			
		5,883,148		Lewandowski et al	03/16/1999			
		5,888,119		Christianson et al	03/30/1999			
		5,914,162		Bilkadi	06/22/1999			
		5,942,284		Hiskes et al.	08/24/1999			
		5,945,502		Hsieh et al.	08/31/1999			

FOREIGN PATENT DOCUMENTS									
Examiner Initials	Cite No.1	Office ³	Foreign Patent Doo	cument Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T€	
			<u> </u>		- PP-MAN OF CHOOL DOCUMENT	141141 00-1111	rigules Appeal		
		<u> </u>							
_	_								
		_							
					-			_	
								\dashv	
								_	

Examiner		Date	
Signature		Consider	red
*EVALUED	1-20 136 6		<u> </u>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

NCT 2 1 2002

. Patent and Tr

PTO/SB/08A (10-96) [MODIFIED]
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

r the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

Substitute for Form 1449A/PTO

6

Sheet

Complete if Known						
Application Number	10/089,960					
Filing Date	April 4, 2002					
First Named Inventor	Roy C. Krohn					
Group Art Unit	Unknown					
Examiner Name	Unknown					
Attorney Docket Number	KRO 0105 PUSA					

	U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.1	U.S. PATENT D	NOCUMENT Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		5,950,808		Tanabe et al.	09/14/1999			
<u> </u>		5,968,996		Sanchez et al.	10/19/1999			
		5,994,424		Safta et al.	11/30/1999			
		6,054,501		Taniguchi et al.	04/25/2000	0 -		
		6,165,386		Endo et al.	12/26/2000	日日日		
ļ		6,211,262		Mejiritski et al.	04/03/2001	5 4 0		
		6,261,645		Betz et al.	07/17/2001	22		
		6,267,645		Burga et al.	07/31/2001			
		6,290,881		Krohn	09/18/2001			
						© i		
-		· · · · · · · · · · · · · · · · · · ·						
		-						

	FOREIGN PATENT DOCUMENTS									
Examiner Initials	Cite No.1	Office ³	Foreign Patent Doo	cument Kind Code ⁵ (<i>if known</i>)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
 										
								-		
-										
								_		
_										

Examiner		
	Date	
Signature		
Gignature	Considered	
*EVANINED: loitical if reference assertioned a feet to the state of th		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

OT 2 1 2002

PTO/SB/08B (10-96) [reproduced]
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Complete if Known Substitute for Form 1449B/PTO 10/089,960 **Application Number** INFORMATION DISCLOSURE Filing Date April 4, 2002 STATEMENT BY APPLICANT Roy C. Krohn First Named Inventor Unknown Group Art Unit (use as many sheets as necessary) Unknown Examiner Name Sheet KRO 0105 PUSA Attorney Docket Number OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Examiner Initials Cite No.1 Τ² Derwent Abstract Corresponding To JP 5279436 English Abstract Corresponding To Japanese Application XP-002164191 English Abstract Corresponding To Japanese Application XP-002140477 English Abstract Corresponding To Japanese Application XP-002140476 English Abstract Corresponding To Japanese Application XP-002158399

Examin r	Date	
Signature	Considered	;

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.